

Hosting Http Servers

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1. Introduction

This document is about options available to host HTTP Servers.

In my case it's about hosting locally servers to test or to keep some private sites (wiki, docs, etc.).

2. Market share of different Web Servers

[W3tech - web servers market share](#)

As of 05/2025

- Nginx – 33.8% of websites
- Apache – 26.2%
- Cloudflare Server – 23.8%
- LiteSpeed – 14.6%
- Node.js – 4.5%
- Microsoft IIS – 3.9%
- Envoy – 1.4%
- Google Servers – 0.8%
- Caddy – 0.3%

Tengine, Cowboy, Kestrel – 0.1% each

3. Solutions available

3.1. Python (Built-in HTTP Server)

If you have Python 3, navigate to the site directory and run:

```
cd the-site  
python -m http.server 8080
```

Now your the site is available at <http://localhost:8080>.

3.2. Node.js (http-server)

The following package should be installed :

```
npm install -g http-server
```

```
cd the-site  
http-server -p 8080
```

3.3. Nginx

You can install Nginx on Windows by following these steps:

1. Download Nginx Go to the official Nginx download page.

Download the latest mainline version (recommended for new features) or the stable version.

1. Extract the Files

```
Locate the downloaded .zip file.
```

```
Extract it to a directory, e.g., C:\nginx.
```

2. Start Nginx

```
Open Command Prompt as Administrator.
```

```
Navigate to the extracted folder:
```

```
cd C:\nginx  
start nginx.exe
```

4. Verify installation

Open a browser and go to `http://localhost`. If installed correctly, you should see the Nginx welcome page.

3. Manage Nginx

Stop Nginx: `nginx -s stop`

Quit Nginx gracefully: `nginx -s quit`

Reload configuration: `nginx -s reload`

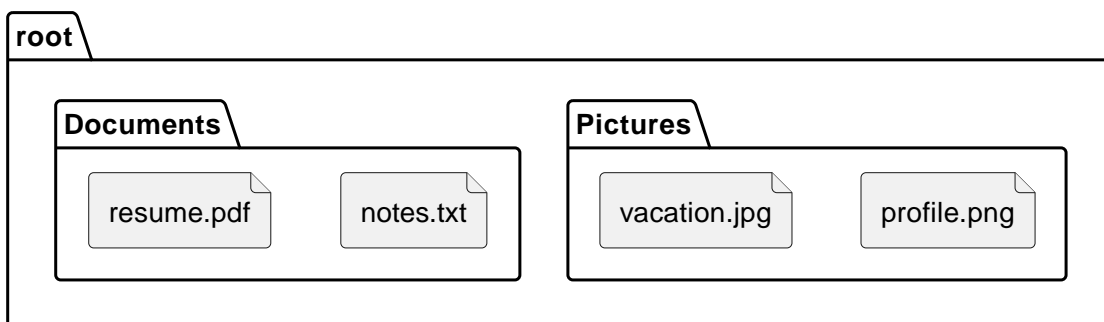
Reopen log files: `nginx -s reopen`

4. Add new site

The site deployed on `D:\KnowledgeManagement\docs` is published on <http://localhost:8080>

```
server {  
    listen 8080;  
    server_name KnowledgeManagement.local;  
    root D:\KnowledgeManagement\docs;  
    index index.html;  
}
```

4. Example UML Diagram



5. Example graphviz

